

AUTO-CALL

Official Journal of the Foundation for Amateur Radio

Oct.
1985



MEMBER CLUBS

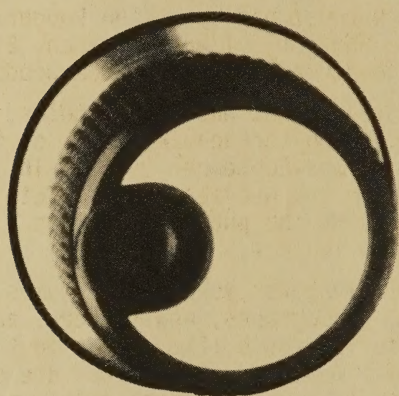
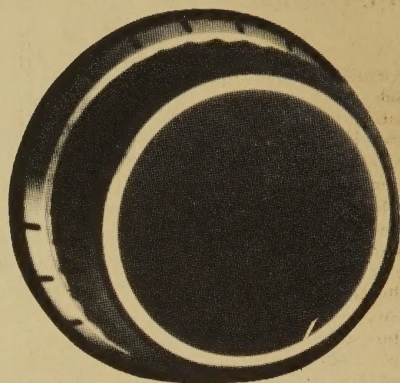
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Amateur Radio Research and Development Corp.
Anne Arundel Radio Club
Antietam Radio Association, Inc.
Arlington Amateur Radio Club
Baltimore Amateur Radio Club
Baltimore Radio Amateur Television Society
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Frederick Amateur Radio Club
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Goddard Amateur Radio Club
Green Mountain Repeater Association
Johns Hopkins University Applied Physics
Laboratory Amateur Radio Club
Laurel Amateur Radio Club
Maryland Emergency Phone Net
Maryland FM Association
Maryland Mobileers Amateur Radio Club
Metropolitan Communications Network Radio Club
Metrovision Amateur TV Club
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National Capitol DX Association
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Potomac Valley Radio Club
Prince George's Wireless Association, Inc.
Quarter Century Wireless Assn. - Baltimore Chapter
Quarter Century Wireless Assn. - Vic Clark Chapter
Quarter Century Wireless Assn. - Washington Chapter
Radio Amateur Satellite Corporation
Rock Creek Amateur Radio Association
Shenandoah Valley Amateur Radio Club
Southern Maryland Amateur Radio Club
Sterling Park Amateur Radio Club
Tri-County Repeater Association
T-MARC, The Middle Atlantic FM and Repeater Council
Vienna Wireless Society
Washington Adventist Amateur Radio Association
Washington Area Young Ladies' Amateur Radio Club
Washington Radio Club
Woodbridge Wireless, Inc.



\$1.00

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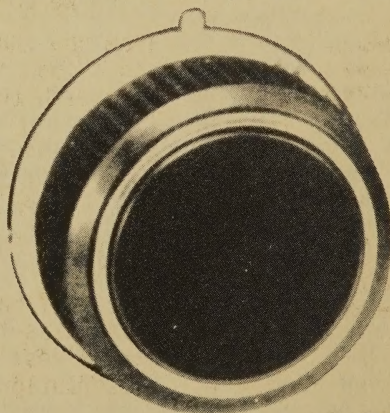
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AUTO-CALL

Official Journal of the Foundation for Amateur Radio



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 Woodbridge Wireless, Inc.

Dear Readers:

I am pleased to report that between August and September, subscriptions to Auto-Call increased by 8%! A good deal of the credit for this increase goes to the Woodbridge Wireless Society who ran the Auto-Call booth at the Gaithersburg Hamfest. Almost 50 new subscribers were signed up by the Woodbridge group at the Hamfest. I want to thank Bill, KB4NC and the other volunteers from Woodbridge.

Much favorable comment has been received from readers concerning the heavier paper on the front cover of the September issue. This issue will also have the heavier cover. This seems to add quality to the publication with a very small increase in cost.

I am still looking for your Club columns, shack sales, photographs, newsletters, and anything else you would like to see in these pages. Please make sure the photos are of reasonable quality and not dark or blurry. There is no photograph on the front cover of this issue because, of the two photographs I received, neither were of the quality which we could reprint.

I am now the permanent editor of Auto-Call and I look forward to a long working relationship with the Foundation and our readers.

Editor: Phil "Pip" Sager, WB4FDT
 1829 Stanley Place
 Falls Church, Va 22043

Auto-Call has a circulation of 1300 copies, entered as third class non-profit matter at the Post Office at Arlington, Virginia. Subscription rates are \$6.00 per year.

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FCC Highlights

Bill Grenfell, W4GF

FCC HIGHLIGHTS by Bill Grenfell, W4GF

THE 902-928 MHz BAND WAS MADE AVAILABLE TO ALL AMATEUR OPERATORS ABOVE NOVICE CLASS ON SEPTEMBER 28, 1985. (FCC PR DOCKET NO. 84-960). Emissions authorized (Section 97.61) are: NON, A1A, A2A, A2B, A3E, A3C, A3F, F1B, F2B, F3E, G3E, F3C, F3F, F8E, PON. Amateur use is on a secondary basis subject to not causing harmful interference to the operations of Government stations or to Automatic Vehicle Monitoring (AVM) systems. Amateurs must tolerate any interference from the operations of Industrial, scientific and medical devices, AVM systems and the operations of Government stations authorized in the band. Amateur operation is not permitted in an area in Colorado and Wyoming bounded by latitude 39 to 42 degrees N, and longitude 103 to 108 degrees W. (See new rule Section 97.7(14)). Also, the Docket 84-960 Order prohibits US Amateur operation in the band 420-430 MHz within approximately 75 miles of the US-Canadian border. This is to conform to a treaty with Canada to protect their land mobile radio services authorized to operate in the band just North of the border. (See new rule Section 97.7(b)(13)).

AN AGREEMENT PERMITTING RECIPROCAL OPERATING AMATEUR RADIO PRIVILEGES WAS SIGNED BY JAPAN AND THE UNITED STATES ON AUGUST 8, 1985 AND BECAME EFFECTIVE ON SEPTEMBER 7. The address to which US amateurs should inquire is the Japan Amateur Radio League (JARL), 1-14-2 Sugamo, Toshima, Tokyo 170 (tel: 03-947-8221), according to the "ARRL Letter" of August 15, 1985.

INFORMATION PRESENTED AT THE FCC-VEC CONFERENCE (08/09/85) INDICATES THAT DURING THE PERIOD APRIL '84 THROUGH JULY '85, 34,428 PERSONS WERE EXAMINED. 52,027 Exam. elements were administered at 2242 Exam. sessions and the pass-rate average per month ranged from 43.54% to 59.32%. It was reported that "Existing VECs are already administering 50% more examinations than the FCC did when they

had the program." (W5Y1 Report 08/15/85).

THE ARRL'S REPLY COMMENTS ON RM-5038 AMONG OTHER REASONS GIVEN, STATE "...THAT THE LEAGUE'S FIRM INTENTION TO PRESERVE ALL PRIVILEGES PRESENTLY HELD BY EXISTING LICENSEES, NECESSITATES THAT THE LEAGUE MODIFY ITS EARLIER PROPOSAL SO AS TO CONTINUE THE PRESENT POWER LIMITATIONS IN THE NOVICE SUBBANDS BELOW 2 MHz." It had proposed that other classes be allowed to use up to 1500 watts PE in the 3700, 7100 and 21100 kHz Novice bands. In addition to the items recommended by the League reported in HIGH LIGHTS two months back, the amendment of Section 97.28 to require that Novice exams be administered by at least two volunteer examiners holding General Class licenses or above, rather than the presently required one, was requested.

"HAMS THREATEN SENATOR'S LIFE - RACIAL SLURS USED" is a headline in the August 23, 1985 issue of WESTLINK REPORT. California State Senator Herschel Rosenthal "...is the author of SB-1431, a measure to severely restrict private citizens from receiving signals in the 800 MHz cellular telephone band." It was revealed that the Senator "...had become the target of some real hate mail, allegedly written by radio amateurs. "Some of these letters contained death threats and racial/religious slurs." "State and federal authorities are involved in the investigation, which should not be very difficult; the letter writers included their names, addresses and callsigns." (Westlink Report, 08/23/85).

AMATEUR USE OF THE 902-928 MHz BAND AT WHITE SANDS MISSILE RANGE IN SOUTHERN NEW MEXICO WAS PROHIBITED BY AN FCC ORDER EFFECTIVE SEPTEMBER 29, 1985. (FCC 85-444, adopted 08/05/85). "This band has recently been added by the Report and Order in PR Docket 84-960 to the frequencies listed in Part 97 as being available for amateur use. "However, the Department of the Army has informed the Commission that several critical radiolocation operations, including tracking and control operations of unmanned aircraft, require the use of fre-

FCC Highlights

Bill Grenfell, W4GF

quencies in the 902-928 MHz band at the White Sands Missile Range in New Mexico and that amateur operations in this area could impair or seriously disrupt these operations." Operation of Amateur stations in the band 902-928 MHz is prohibited in those portions of Texas and New Mexico bounded on the south by latitude 31 degrees, 41' North, on the east by longitude 104 degrees 11' West, on the north by latitude 34 degrees 30' North, and on the west by longitude 107 degrees 30' West; and in addition, outside this area but within 150 miles of these boundaries of White Sands Missile Range operation is restricted to a maximum transmitter peak envelope power output of 50 watts. (See new rule Section 97.7(b)(15)).

A BROADCAST STATION MANAGER HAS REQUESTED USE OF THE AMATEUR FREQUENCY 434 MHz FOR GATHERING NEWS AND TO BROADCAST SUCH NEWS ON HIS LOW POWER TELEVISION STATION located at Lake Havasu City, AZ. (Bridge Broadcasting, Inc., 2001 Industrial Boulevard). FCC's Private Radio Bureau seeks comments on this filing of a request for waiver of the amateur rules. Parties wishing to file formal comments should do so by filing an original and four copies with the Secretary, FCC, Washington, D.C., 20554, on or before October 10, 1985. Reply comments may be filed on or before October 28, 1985. Comments and reply comments should refer to "PRB-2".

THE MATTER OF FEDERAL PREEMPTION IN AMATEUR ANTENNA AND TOWER MATTERS WAS READY FOR PRESENTATION TO THE FCC COMMISSIONERS EARLY IN SEPTEMBER. However, it was not expected to receive early action by the Commissioners on account of an accumulation of more than a month's backlog of items for their decision, and only one meeting was scheduled before 18 September. Most of the Commissioners take their vacation leave during August.

THE COMMISSION'S REPORT AND ORDER ON PR DOCKET 84-874 CONCERNING RADIOLOCATION IN THE 1900-2000 kHz BAND WAS SCHEDULED TO BE READY FOR THE COMMISSIONER'S CONSIDERATION LATE IN SEPTEMBER.

A PETITION FOR RECONSIDERATION OF THE PR DOCKET 85-196 NOTICE OF PROPOSED RULE MAKING HAS BEEN FILED WITH FCC BY WB5YYX OBJECTING TO LIMITING CREATION OF NOVICE TESTS SOLELY TO VOLUNTEER EXAMINERS. He feels that VEC'S should have these test materials available for VE use should they be needed. (W5YI Report, 09/01/85).

ASA
FCC COMMISSIONER HENRY RIVERA RESIGNED, EFFECTIVE SEPTEMBER 15, TO GO INTO PRIVATE LAW PRACTICE. (W5YI Report, 09/01/85). Since the majority (3) of the Commissioners are Republicans, the law requires that his successor must be a Democrat or Independent. The Commission is made up of five Commissioners who normally may serve for seven years. Subject to confirmation by the Congress, Commissioners are appointed by the President.

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"NOTHING OVERHEARD ON THE AIRWAVES OUTSIDE HAM, CB AND BROADCAST BANDS CAN BE DIVULGED EXCEPT TO THE POLICE."
"...divulgence of cordless telephone call information is strictly prohibited..." (K3ZJ, Dave Siddall, in a letter to W5YI regarding the effect of Section 705 of the Communications Act of 1934, as amended.) "Dave is a government attorney specializing in advising members of Congress of telecommunications law." (W5YI Report, 09/01/85).

THE FCC HAS ANNOUNCED THAT IT IS DISCONTINUING ITS LICENSE FEE REFUND PROGRAM, EFFECTIVE OCTOBER 31, 1985. If you paid FCC a fee for an amateur license examination or for renewal of an amateur license during the period August 1, 1970 to December 31, 1976, you may be eligible to apply for a partial refund. Instructions and forms are available from FCC Field Offices and from FCC at its refund office at P. O. Box 19209, Washington, D.C. 20036. (W5YI Report, 09/01/85).

AS OF EARLY SEPTEMBER, A NUMBER OF PETITIONS WERE ON FILE AT FCC, SOME FOR PURPOSES SUCH AS THE FOLLOWING: Reduction of the 30 day wait period after failing an operator license exam; Allow Technician Class operators to use the 160 meter band; Disqualify alien holders of

FCC amateur licenses from acting as volunteer examiners for FCC amateur operator licenses; Allow the use of Marine radiocommunication equipment in the amateur bands; Eliminate Technician and Advanced Class amateur operator licenses; Require the amateur station identification at the beginning of a communication; etc.

FCC ADVISES THAT E. B. SYKES, W400, HAS PAID THE \$1927.27 COURT COSTS FOR HIS TRIAL FOR REFUSAL TO PAY HIS \$550 FINE FOR HIS OVER-POWER OPERATION IN THE 7 MHz NOVICE BAND. He was accused of deliberately operating so that the second harmonic of his transmissions would interfere with a neighboring amateur's operation on 14 MHz. The trial judge did not accept his plea that he made a mistake and re-assessed the fine at \$500, which he also has paid.

THE TIME ALLOWED JAMES BRANTLEY, K6KPS, TO RESPOND TO A \$2,000 NOTICE OF APPARENT LIABILITY FOR VIOLATING FCC RULE SECTION 97.113, "BROADCASTING PROHIBITED", HAS BEEN EXTENDED INTO OCTOBER. The Notice was issued on June 13, 1985, and Brantley had 30 days to submit payment or a reply. "The Commission had received complaints from amateurs over a long period of time that Brantley was disrupting their communications." See HIGHLIGHTS for the past two months for more details.

AMATEUR LICENSE STATISTICS:

Class	May 31	June 28	July 30
Extra Class	36,983	37,214	37,548
Advanced	97,551	97,383	97,565
General	116,816	116,595	116,812
Technician	81,406	81,688	82,389
Novice	78,090	76,188	75,793
Individual Operators	410,846	409,068	410,287
Club Stations	2,285	2,270	2,268
Military Recreation	170	168	165
RACES	361	359	359
Total Stations	413,662	411,865	413,079

MONTHLY ACTIVITY:

	MAY	JUNE	JULY
New Novices	1,985	1,053	1,268
Total All New	2,174	1,186	1,431
Upgrade to Technician	1,027	866	888
to General	777	550	452
to Advanced	643	434	403
to Extra	347	270	307
Total Upgrades	2,794	2,120	2,050

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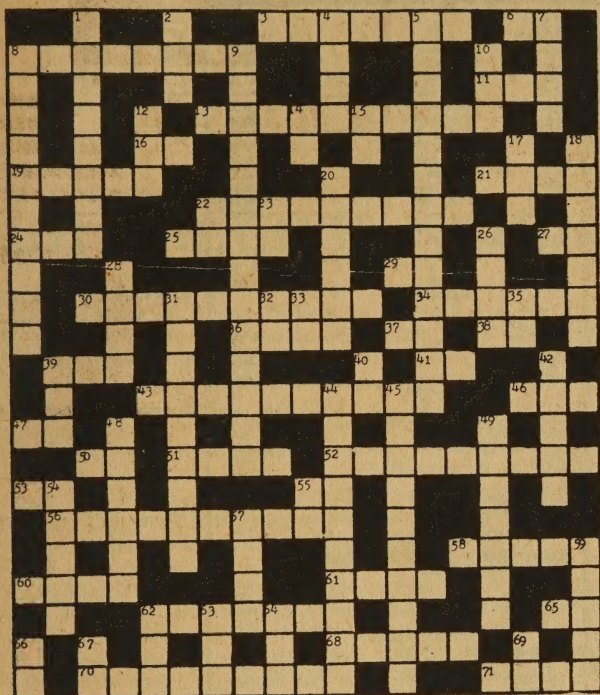
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Crossword Puzzle

John Lawson, WA6ZXN



ACROSS

State in W4-land.
Radio stations in other countries or

at great distances.

8. Station receiving a signal on one frequency and automatically

DOWN

1. The entire range of wavelengths in radio waves.
2. The same as Greenwich mean time.
4. Who's law states voltage(E) = current(I) multiplied by resistance(R).
5. QRM and QRN.
7. Transmitter.
8. Talking for hours.
9. r.m.s.
10. Number of years a log must be kept.
12. A million cycles per second. (abbr.)
14. Integrated circuit.
15. Power amplifier.
17. Award for confirming all states in the U.S.
18. WX
20. ditdahditdahditdah.
22. "This is" in Morse code.
23. Cuba prefix.
26. Receiver.
28. Common transmission line.
31. 1000 kilohertz.
32. Egypt prefix.

33. State in W0-land. (abbr.)
35. Intermediate frequency.
39. Excellent daytime DX band during the years of high sunspot activity.
40. Clipperton Island prefix.
42. The ITU phonetic word for "I."
44. A solid-state tube.
45. Voltage(E) divided by current(I).
48. Unit of current.
49. An electrode of a tube.
54. The approximate metric equivalent to the yard.
55. Austria prefix.
57. Units of resistance.
59. Transceiver in laymen's terms.
62. Distress call in Morse code.
63. Nothing.
64. Push to talk.
66. Type of current found in house lines.
67. The telegraphic laugh.
69. Type of current from a battery.

retransmitting it on another.

11. A group of hams meeting on a specific frequency, at a scheduled time, for direct communications.
13. Used to propagate high frequency radio signals over great distances.
16. Hertz (abbr.)
19. One cycle per second.
21. Usually sent to guarantee a reply by mail.
22. Happens to resonant frequency as antenna length increases.
24. Five required for Novice; 13 for General; 20 for Extra.
25. Excellent directional antenna.
27. W1-state with the least number of amateurs. (abbr.)
29. From
30. Federal Communications
34. Beginner's ticket.
36. Type of beam antenna.
37. One of North Carolina's neighbors. (abbr.)
38. Radio frequency.
39. Thanks.
41. And.
43. Electrolytics are common types.
46. Antenna. (abbr.)
47. Good night in Morse code.
50. Old man in Morse code.
51. Not odd.
52. Country with "VK" prefix.
53. Good morning in Morse code.
55. Belgium prefix.
56. Tube's internal components
58. Current (I) multiplied by voltage (E).
60. Not there.
61. A heavenly object in radio astronomy.
62. The maximum usable frequency has a direct relation to this cycle.
65. Field day. (abbr.)
68. A Space Age VHF repeater.
70. A poor electrical conductor.
71. The ITU phonetic word for "E."

Answer on Page 9

THE ANTENNA BANK - PART OF EEB

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HF6V	80-10 vertical	119.00
HF2V	80-40 vertical	112.00
2MCV5	2MT. vertical	47.00
RMKII	roof mtg. kit	41.95
TBR160S	16cm add on	43.00
MPS	mtg. post sleeve	5.50
	AND MORE!	

CUSHCRAFT

A4	4 ele. triband	275.95
A3	3 ele. triband	210.00
R3	10, 15, 20 remote tuned vert.	260.95
AV5	5 band trap vert.	98.00
32-19	19 ele. 2mt. boomer	89.95
21SWB	15 ele. wide band 2mt boomer	93.95
424B	24 ele. 70cm boomer	77.00
416TB	16 ele. OSCAR 435MHz	56.00
A144-10T	10 ele. OSCAR 145.9 MHz	49.00
AOP-1	OSCAR pack 2 dth 70cm	140.00
AR-2	2mt vert. ringo	23.00
ARX-2	2mt vert. ring ranger	28.00
ARX-2B	2mt vert. ringo ranger II	35.00
	AND MORE!	

HUSTLER

6BT	6 band	126.95
5BT	5 band	108.95
4BT	4 band tra.	84.95
G7-144	Fix stat. 2'	112.95
MO-1/MO-2	mobile m.	20.95
RM10/RM15	10a-15m res.	10.95
RM10S/RM15S	super resonat.	15.95
RM20/RM20S	std. & super resonator	14.95/20.95
RM30	30mt std. resonator	15.95
RM40/RM40S	std. & super	16.95/23.95
RM75/RM80	75 or 80 std.	17.95
RM75S/RM80S	75 or 80 super	34.95
BM-1	bumper mt.	15.95
SSM-2	stainless ball mt.	16.95
SSM-1	stainless ball & spring mt.	30.95
QD-1	quick disconnect	13.95
SGM-Z	2mt 3/4 mag. mt.	26.95
HOT	trunk mt. w/ swivel ball	15.95
	AND MORE!	

HY-GAIN

TH7DXS	7 ele. triband	481.95
TH5MK2S	5 ele. triband	416.95
EX-14	4 ele. triband	328.95
TH35RS	3 ele. 75DW pep.	198.95
18AVT/WBS	5 band trap vert.	110.95
14AVQ/WBS	4 band trap vert.	67.95
V2S	2mt omni-direct	45.95
4VS	70cm omni-direct	54.95
HB144MAG	2mt mag mt.	19.95
	AND MORE!	

HY-GAIN ROTORS

T2X	22 sq. ft.	286.95
HAM IV	15 sq. ft.	238.95
CD45II	8.5 sq. ft.	149.95

KR-500

	elevation 12 sq. ft.	179.95
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ALLIANCE ROTORS

U110	3 sq. ft.	48.00
HD73	10.5 sq. ft.	105.95

KLM

KT34A	triband 4 ele.	337.95
KT34XA	triband 5 ele.	485.95
2M-14C	2mt satellite	87.95
2M-22C	2mt satellite	117.55
435-18C	70cm satellite	113.95
435-40CX	70cm satellite	155.95

MOSLEY

TA33	3 ele. triband	239.00
TA33JR	3 ele. triband	177.00
CL36	6 ele. triband	359.00
CL33	3 ele. triband	265.00
PRO37	7 ele. triband	465.00

TET

HB433SP		244.95
HB433DX	3 ele. quad band	332.45
HB43SP	4 ele. triband	272.95
MV3AH	7, 21, 28 vert.	48.95
MV3AHR	7/21/28 vert.	80.45
MV3BHR	14/21/28 vert.	80.45
MLA-4	loop 3.5/7/21/28	139.95
SO-10	28MHz Swiss Quad	116.95
SOY-06	2mt Swiss Quad	55.95
SOY-08	2mt Swiss Quad	66.95

VAN GORDEN

PD8010	80-10 dipole kit	32.50
PD8040	80-40 dipole kit	30.00
PD4010	40-10 dipole kit	28.75
SD80	80 shortened dipole	26.25
SD40	40 short. dipole	23.75
ALL BANDER	160-10mt	28.95
	AND MORE!	

ROHN

20G	10' sect.	37.50
20AG	top sect.	45.00
28G	10' sect.	51.50
25AG	2, 3 top sect.	62.10
45G	10' sect.	115.50
45AG	2, 3 top sect.	126.00
A525G	access. shelf	11.25
A545G	access. shelf	37.50
TB-3	thrust bear	53.95
M200	10' mast	22.25
SB25G	short base	22.50
SB45G	short base	49.50
EF2545G	gun pole	187.50

SPECIAL ORDERS

BX48	8 sq. ft.	253.50
HBX48	10 sq. ft.	300.00
HDBX48	18 sq. ft.	375.00
	AND MORE!	

LARSEN

LM150MM		41.90
NLA150MM		45.90
NM0150MM		46.90
KD4-142-HQ		16.95
	AND MORE!	

CABLE & CONNECTORS

BELDEN 9613	per ft.	49c
COLUMBIA RG 213		32c
RG8/U		29c
RG 8X		14c
RG59/U		12c
PL258 SILVER		1.09/1.49
N-MALE FOR 8/U		4.00
BNC (M) — UHF (F)		4.50
	AND MORE!	

SOUTH RIVER WHILE THEY LAST!

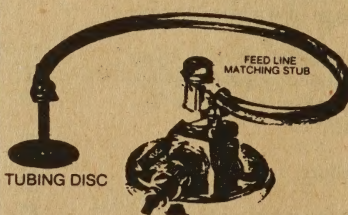
STEEL MAST TUBING:		
MZ165S	1 1/4x5'	4.99
MZ1625P	1 1/4x2'	1.99
MZ1615S	1 1/4x10'	10.88
MZ1810S	1 1/4x10'	10.88

• GROUND RODS:	
GND4CP	3.00
GND6CP	5.00
GND85C	8.00

TURNBUCKLES:		
TB-12	3" to 5"	51c
TB-14	5" to 7"	62c
TB-15	6" to 9"	1.06
TB-16	7" to 10"	1.72

GUY WIRE CABLE CLAMPS:		1.72
GT-25	for cable up to 1/4" dia.	44c
GT-30	for cable up to 3/16" dia.	51c
GUY WIRE RING & COLLAR:		
GRA-140	up to 1 1/4" O.D. alum.	5.05
GR-1	up to 2" O.D. steel	3.96
GUY WIRE:		
V-SW-6/20L	vinyl coated steel	4.00

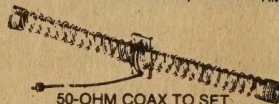
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This article is reprinted from the August issue of WorldRadio. The late Don Wallace, W6AM, was one of the most well known radio amateurs in the world, and I feel this article, reprinted below, is justified in our publication.-- Editor.

Don Wallace — a tribute

At the 1973 International DX Convention in Fresno, California, Don Wallace, W6AM (W6 America Mexico) received an award in recognition of his enthusiasm for Amateur Radio. The presentation was made by John Troster, W6ISQ, who gave the following address, which ran in the September 1973 issue of Worldradio.

We have been considering an award of the type we will present tonight for some time. We're not quite sure what to call it, other than — very simply — The Joint Sometimes Annual Southern California DX Club and Northern California DX Club Award for Outstanding Amateur Activity Over So Many Years That Everybody Thinks He (or She) Should Get Some Sort of Award For Doing So Many Things For So Many Years Award.

The trouble was that the Northern and Southern California Clubs couldn't get together about the award — communications block. We wouldn't speak to each other.

However, during the first Mt. Athos thing, there were a couple of thousand very humble W6's sitting around feeling sorry for themselves...and since nobody could get the drop on anybody else...we decided to talk things over.

We in California feel we are pretty well known throughout the DX World...and what we say and do does carry some weight in DX circles. We're modest fellas, as you all know.

Anyway, we feel that in our position of prominence, we are surely entitled to stand up and cheer for someone we believe should be honored for doing something...and do so with a little weight. And just as certain as we feel senior enough and well-known enough to speak and be heard with authority, we also are just as certain that we have the perfect candidate for the very first Sometimes Annual Award right here in our own membership.

Now the man we chose is a little shy and

might feel a little reluctant to come forward, but with a little encouragement from you, maybe we can coax him to stand and be recognized and to hear why we honor him tonight.

Will the real Don C. Wallace, "W6 America Mexico" please stand.

Standing before you is a fella who has been a ham for over 60 years. Now everybody knows everything about W6AM in the 30 years since World War II... when he became the Baron of West Los Angeles and took over Palos Verdes Hills...how he went to the top of DXCC...became a powerful contender in all contests...DX-peditions...DX, SS whatever...he was there...big single operator signal or multi-operator. But above all, Don did whatever he did with the ageless enthusiasm of a Novice.

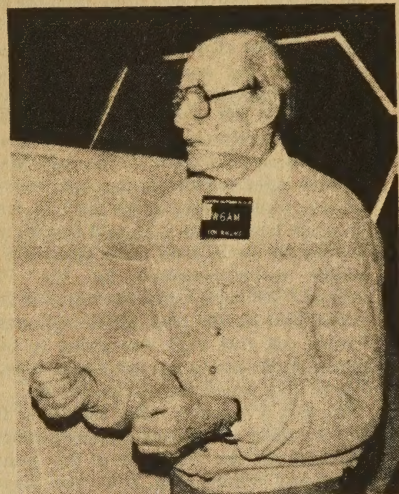
You already know about that 30 years, so let's talk about the *FIRST* 30 years. I say that glibly — how many of you here have had a ticket for 30 years?

Don was born in Minnesota of hardy stock. You know they had to be sturdy... Scotchmen in Scandahoovia?? But they moved to Long Beach when Don was very young.

He learned the code, as many of you did, at an early age by stringing wire around the neighborhood to the other kids' houses. He worked his way up to 5 wpm and in 1910, after signing a statement that he knew the code that fast, he went on the air legally as "WU." This was the "Novice" program in those days.

After a little "on-the-air" experience, he got his code speed up to 12 wpm and in 1912 at age 14, he became "6OC."

During high school, besides being a four-letter man every year, Don got his

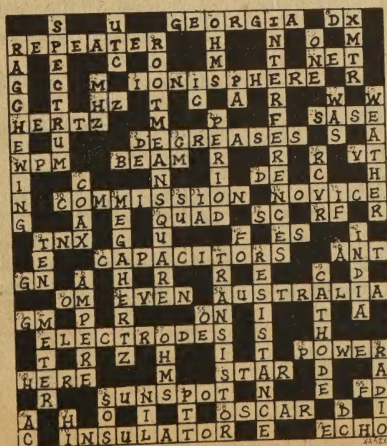


Don Wallace, W6AM

code speed to 30-35 wpm pencil copy. (Incidentally, I understand Don is an all-time member of the Long Beach High School Football Hall of Fame.) After high school he went off to college in Minnesota and managed to complete his freshman year before he enlisted in the Navy at the outbreak of World War I.

Don had read that the Navy wanted radio operators who knew the code, so Don became a radioman and reported to what is now Treasure Island in San Francisco Bay. Within an hour after arrival, Don was put on a high speed spark circuit and manned that circuit for eight months. What were you fellas doing an hour after you arrived at your first duty station?

On long night watches, Don and his buddy tried to out-send and receive one another for fun...and to keep awake. They



continued next page

Puzzle Answer

Don Wallace

would alternate sending and receiving as fast as they could go. As soon as one made a mistake, they would switch. In this manner, Don got his code speed to 49 wpm with a pencil and into the mid-50's with a mill.

After Treasure Island, Don went to submarines. You wonder how come they put his 6'4" frame in a sub? (Sounds like the service, doesn't it??) However, Don points out that all men in subs in those days had to be big and strong to turn the manually-operated wheels and controls which were not hydraulically controlled then. Don was the only man on the sub who had the oomph to crank up the radio mast.

After eight months in the sub, he was ashore one day, and met his old C.O. from Treasure Island. The C.O. told Don he was looking for some good radio operators to handle communications for the *USS George Washington* and wondered if Don would like to be the Chief-in-Charge. Turned out that ship was going to take President Wilson to the peace conference. Natch, Don would like the challenge.

So, still a teenager, Don took over the responsibility of the vital communications link between the president of the United States and Washington, D.C. Don stayed on the ship during he entire time the president was at Versailles (the ship was in a French port, and a daily messenger brought the classified traffic to the ship for relay to Washington).

Don had the chance to pick his own operators too, and chose old Marconi men. He knew them to be very accurate both sending and receiving, which they had to be to handle traffic then. They transmitted for an hour and then received for an hour, so there was no chance for the usual "fills." They had to be correct the first and only time.

At that time, the *George Washington* had the most powerful spark transmitter afloat, which Don and his crew also maintained when they weren't on the air.

After the war, he returned to Minnesota to complete college. He obtained the call 9ZT-9XAX and in 1923, Don was awarded the Hoover Cup.

The May 1924 issue of *QST* headlines: "Wallace Wins 1923 Hoover Cup, 9ZT-9XAX. ARRL Board of Directors to honor the best all-around homemade amateur station for 1923 Department of Commerce Cup. (How many ham stations do you think would even be eligible for an award like that nowadays?)

"It is difficult to appreciate the amount of hard work and stick-to-it-iveness required to build and operate an amateur station." (Knowing Don, it is not that difficult to appreciate!)

Following was an article by Don describing his station. It began, "It is the near realization of a lifelong ambition (he was 25 years old at the time!)...namely to have a workable and useful amateur station." Don's rig was a 250 watt Radiotron in Hartley circuit...mounted so air can blow through to circulate around the tube"...a 4000-volt plate transformer and

electrolytic rectifiers — 124 of them. He describes how to mix the rectifiers solution... "it was all mixed at one time in a tub and consists of 10 gallons of Chippewa Battery water with 2 pounds of 20-Mule-Team Borax in it and a teaspoon of household water." Sounds like the "Personality Improvement Hour."

His receiver was two tubes, and his antenna was strung from an 85-foot wooden tower which he put up himself. Don was primarily a traffic man then (he was a relay station in good standing with ARRL), and during 1923 handled 2,500 messages. However, he was chasing DX with that spark too, and lists countries worked as KL7, ZL, VK, KH6, XE, HP, South America, KP4, Cuba, England, France...and also "WNP" which was a station aboard Commander (later Admiral) McMillan's ship, *Bowdin*, whose radio operator was a young fella named Don Mix, later to become WITS of the ARRL Technical Staff.

In 1926, the *QST* Station Activities says "old 9ZT is now 6AM and is on the air with a couple of 'watt-burners.'" Don's first traffic report was "6AM-1." And along about this time, too, Don wrote and published one of the first Amateur Radio Handbooks.

Let's follow Don's activities in *QST* for a few years.

April 1927 — "6AM has a new water-cooled watt-burner..."

May 1927 — "6AM gets only four European cards in one day."

June 1927 — "6AM succeeds in working eight countries on each of two Saturday nights."

July 1927 — 6AM made SCM of Los Angeles...held the position until January 1930.

November 1927 — "6AM has received his WAS certificate; the only station having held that certificate in two different districts."

January 1928 — "6AM worked 10 countries in one week."

February 1929 — W6AM is on 29 MHz on Sundays and holidays.

August 1929 — "6AM reports the tuned doublet receiving system works better than ordinary antennas."

December 1929 — "6AM reports a water-cooled tube and a 6-phase rectifier" (!).

April 1930 — W6AM made BPL.

June 1930 — W6AM reports receiving certificate for SS.

August 1930 — W6AM has two 90-foot telephone poles. Also places third in International Relay Competition.

April 1931 — a photo in *QST* of W6AM's 1kW water-cooled tube and his receiver which has six tuned RF stages!

February 1932 — "W6AM claims three countries answered one 7 MHz CQ and Don worked all three at the same time." I'll bet some of you here thought Don Miller started that.

April 1932 — *QST* reports on the Transcon Relays...W6AM second place relaying on 1750 kHz. Originates message going to East Coast and receives reply in hours 47 minutes via 10 relays across the country. Third place on 3.5 MHz.

December 1934 — "6AM has ne 167-foot tower."

November 1937 — A *QST* article W6AM entitled "Making the Most Directive Antennas...Practical Pointers on Operating a Number of Antennas in Limited Space"...then Don describes how he hung FIVE 14 MHz Sterba curtains on one 90-foot pole! Sounds like "limited space to Don is about two sections to anybody else."

During all this time before the Big One (World War II for the youth in the audience), Don was almost always in the contests — DX, Sweepstakes, 160. If it was there he was there.

What we have been saying, Don, is that for the last 60-plus years you have done everything a ham can do. You've been a leader in everything you've done, and you've stuck with it — enthusiastically.

A quote from a note Don wrote to the Northern California DX Club paper, the *DXer*, I think says it all about him and his joy of just being a ham and playing with a radio...

"Anytime any of you are out of the USA and work a W6, please have the W6 phone W6AM collect. W6AM will be delighted to QSO you. This system has worked fine, as W6AM has worked his son, Don, Jr., from all over the world in this manner. If you miss, please try another day."

One thing that paragraph says is that Don is retired. It also says that Don is happiest now — as he has been for over 60 years — when he is at the rig in contact with somebody...right now, preferably on 20-meter CW over his 1kW mobile rig as he is peeling down the L.A. freeways.

Don, we are honored to honor you for 60 years of leadership...and inspiration...and enthusiasm.

As most hams know by now, Don Wallace, W6AM, has become a Silent Key. He succumbed to a stroke in a Long Beach hospital at about 1:30 p.m., Saturday, 25 May, at the age of 86.



PUBLIC SERVICE REPORT

FCC Regulations 97.1: "The rules and regulations in this part are designed to provide an amateur radio service having a FUNDAMENTAL PURPOSE...SERVICE TO THE PUBLIC as a voluntary noncommercial communications service, particularly with respect to PROVIDING EMERGENCY COMMUNICATIONS."

Jeff Wilkes, W4NFA

If you compare this month's EC listing with previous listings, you will see that there has been a large number of resignations and reassignments among the regional ECs.

Public Service Report salutes and passes along 73 to the following hams who have served for many years as ECs and are now finding it necessary to turn the reins over to others: Tom Abernethy, WA3TAT, ex-Md/DC Section EC; Don Lyons, WB3LTA, ex-Md/DC District EC; Howard Parker, WA3BMM, ex-Montgomery Co. EC; and Bill Kreher, N4DCC, ex-Arlington Co. EC.

Public Service Report welcomes Al Taylor, KN3U, as our new Montgomery Co. EC. Everyone out there in Montgomery County should contact Al and give him full support.

Volunteers are needed to fill the following EC slots: Md-DC SEC, Md-DC DEC, Loudon Co. EC, Arlington Co. EC, and several Fairfax Co. Assistant EC slots. The jobs are very rewarding and interesting. If you are interested contact one of the EC's listed below.

--- AUGUST 18 EC NET ---

The weekly Regional EC net was called to order at 2100 Local by WB4WZZ/NCS on 146.31/.91. N3AQG announced that a Regional EC meeting would be held 8/19/85 at the D.C. Red Cross Chapter House and that the September 14 National Disaster Medical System drill would be discussed. WD4RFS reported on the recent chemical spills in Fairfax Co.-- evacuation was not necessary and amateur radio support was not requested, but the situation was monitored by ARES/RACES. WB4WZZ requested help in providing communications for the upcoming International Children's Festival at Wolf Trap Park.

Checkins included: WB4WZZ/NCS, W4NFA, WB4EEA, N3AQG, KA3KIQ, W3HQQ, WD2RFS, KA8PUU, WA2WDT, N4EBU, KA2EGC, N4JEE, AC8HP, and WA4CGY.

--- REGIONAL EC MEETINGS ---

Regional Emergency Coordinator meetings were conducted on June 26, July 24, and August 19, 1985, in the Board Room of the American Red Cross D.C. Chapter House. Both meetings were organized and chaired by Ken Williams, N3AQG, EC for the District of Columbia. This series of meetings were sparked by the interest shown at earlier meetings organized by Jim Wilson, K4BAV, National Capital District EC, which were held at six month intervals at local hamfests. Hams interested in emergency service and public service from Virginia, Maryland, and the District of Columbia were in attendance.

As a result of these meetings, the Metropolitan Emergency and Public Service Council (MEPSC) is being formed to coordinate amateur radio emergency and public service activities throughout the metropolitan Washington, D.C. area. Specific actions being undertaken by the council are:

1. Conduct regular meetings the third Monday of each month at the D.C. Chapter House.

September Public Service Report

2. Continue the two annual hamfest meetings.
3. Replace the monthly EC net with a weekly ARES/RACES net. The new net will be held each Sunday night at 2100 on the NVFMA Tysons Corner repeater (146.31/.91). Bob, WD4RFS, volunteered to be net control.
4. Develop a resource manual for amateur radio emergency and public service activities. Ross, WA2WDT, volunteered to head-up this effort.
5. Prepare an area roster.
6. Establish emergency calling/alert repeater(s) and/or simplex frequencies and coordinate through T-MARC.
7. Develop a simple method of informing the ham community of the existence of an emergency situation and the current level of ham involvement.

It was agreed by attendees that anyone interested in public service will be welcomed to any council meeting or net session. Area ECs and their assistants are especially urged to attend. It was agreed that in the decision making process, anyone holding a current ARRL EC appointment for any jurisdiction in the metropolitan Washington D.C. area regardless of level (ie. local EC, County EC, District EC, or Section EC) would have one vote.

The first area amateur radio communications event being coordinated through the Council will be a simulated emergency exercise for the National Disaster Medical System scheduled for September 14, 1985. Bob, WA3WDT, outlined this exercise during the July 24 meeting. More detailed planning took place at the August 19 meeting. Approximately 60 hams will be required for this event which will involve sixteen area hospitals (fifty hospitals total), Baltimore-Washington International Airport and Andrews AFB, fifteen military helicopters, twelve military ambulances, an unknown number of civilian ambulances, and 600 simulated casualties. Amateur radio communications planned include six voice networks (2 meters and 440 FM), one packet radio network (2 meters) with a tie-in to the Maryland EMS computer network, and fast-scan television (ATV) on 420 MHz. An amateur radio communications check was planned and scheduled for August 24.

The next meeting will be on September 16.

--- I C F COMMUNICATIONS ---

Labor Day weekend weather was nearly perfect this year for the annual International Children's Festival at Wolf Trap Farm Park. The thousands of patrons were kept thoroughly entertained by the expanded festival which featured continuous performances simultaneously at five stages, non-stop storytelling, scores of supervised activities at the workshop area, groups performing on the plaza, as well as roving musicians and clowns. The acts were all very professionally done, the costumes were striking, and the logistics were horrendous.

Amateur radio communications provided the glue required to hold the festival together as problems arose and were speedily and efficiently solved. Although the gates opened at 1100, the ham volunteers were pulling into their reserved parking lot before 0900 each day so that they could walk up to the green and white striped net control tent just off the entrance plaza, receive their assignments, and be in position to handle the heavy traffic involved in setting up the various stages and areas by 0930. ICF officials arrived at net control to be united with their ham "shadows," and immediately begin initiating traffic. Many of the "shadows" were pleased to discover that officials had been provided golf carts for transportation and "shadows" would be able to ride instead of pounding the pavement constantly for seven hours as in past years. As the emcees at each stage completed their opening remarks (including those who had to be located to cover for the no-shows) and the first acts began their performances (including those that had to be shifted from other stages to cover no-shows), the hams were able to take a breather before the

September Public Service Report

next rush of heavy traffic. At around noon, net control began shifting people and assigning relief operators to allow each ham to have a lunch break. Between periods of high activity, the hams were able to relax and enjoy some of the entertainment. Between 1500 and 1530 the last act of the day began on each stage. Since each stage was required by the Park Service to be cleared by 1600, the last hour of the day resulted in the heaviest traffic as the final acts were transported out, the sound equipment and other valuable materials were transported to shelters for the night, and the public was moved out of the park. The communications operation was secured at approximately 1700 each evening.

Throughout the three days, the amount of traffic on the net peaked as the time approached for acts to change. Performers were checked in on time, or acts had to be rescheduled to accommodate late checkins or no-shows. Transportation requests were received and vehicles were dispatched. Lost children were reported, found, and reunited with their parents. The two hospitality areas were supplied and resupplied as hungry and thirsty performers and volunteers cleaned out the goodies. Meeting were arranged for ICF officials. Interviews and taping sessions with the press were scheduled. Equipment was requested, located, and transported where needed. Park Service assistance was requested and arranged.

By the end of the first day (August 31), ICF officials were requesting additional "shadows" as well as hams to man additional fixed positions. Up until this time, the Communications Coordinator, Marc WD4LWD, had been able to supply the requested manpower completely though hams who had contacted him and volunteered their services. Due to the request for additional manpower, it was necessary for Marc to request support of other hams--within a few hours commitments had been received for the additional manpower.

All in all the three day operation went very well. There were a few rough spots, but they were all eventually smoothed out. By the end of the festival, the value of amateur radio public service communications had been reaffirmed. From 0900 Saturday, August 31 to 1700 Monday, September 2, thirty amateur radio operators provided a total of 408 manhours of public service. The following hams worked all three days: WD4LWD, W4PVA, K4FHK, AA4IKU, WB4WZZ, KC4VG, N4DVO, & KA4REI. The following hams worked two days: W4NFA, KA4SMS, KC3K, N4IXD, WD4EKS. The following hams worked one day: WD4HLF, WB5MZK, N4EBU, KA4IKG, WA4QVT, KA8PUU, W4YEH, WB3LTA, W4VCC, WD4SMD, K3CDV, K4VYF, N4ISN, N3AQG, KC4YN, WD4RFS, & N4JMJ.

--- AUGUST 25 REGIONAL EC NET ---

The weekly Regional ARES net was opened at 2110 by acting NCS Marc, WD4LWD on 146.31/.91. Discussion centered about the planning for the upcoming National Disaster Medical System emergency. Various checkins reported on the results of the communications check conducted on August 24. During the check each of the voice nets were successfully established but the only successful packet operation was from the Fairfax Red Cross Chapter House station (W4PAY) by Fairfax Co. ARES/RACES. It was decided to schedule another check for the packet network.

Checkins included: WD4LWD/NCS, K4BAV, WA3WDT, W3HQQ, KN3U, KA8PUU, N4EBU, WB4EII, WA4CGY, KA8PUU, and W4NFA.

Public Service Calendar

9/14/85: National Disaster Medical System Drill; Al KN3U (301)251-9464.

9/16/85: MEPSC Meeting, 1915 Local at D.C. Red Cross Chapter House Board Room 2021

September Public Service Report

E St. NW

- 9/21/85: H-Street Parade; Ken N3AQG 363-4234
10/5/85: D.C. Firemen's Parade; Ken N3AQG 363-4234
10/5/85: Clifton Horse Ride; Joe WB4WZZ 241-0078
10/12/85: Strohs 8K Run for Liberty; Ken N3AQG 363-4234
10/13/85: Clifton Days; Marc WD4LWD 644-0166
10/19/85: Falls Church Band Tournament; Marc WD4LWD 644-0166
10/21/85: MEPSC Meeting; 1915 Local at D.C. Red Cross Chapter House Board Room 2021 E St. NW
10/27/85: 10K Run for Children's Hospital Burn Unit; Ken N3AQG 363-4234
10/30/85: Vienna Annual Halloween Parade; Jeff W4NFA 281-4249
10/31/85: Vienna Spook Watch; Jeff W4NFA 281-4249
11/2/85: Clifton Horse Ride; Joe WB4WZZ 241-0078
11/3/85: D.C. Marine Marathon; Frank KA8PUU 642-5516
11/18/85: MEPSC Meeting; 1915 Local at D.C. Red Cross Chapter House Board Room

To have your event appear on the calendar, send date, time, place, and the name and telephone number for the amateur radio coordinator to 9809 Meadow Dale Ct., Vienna, Va. 22180.

National Capital Area Amateur Radio Emergency Service:

Va. Section EC: John Parker, WB4UHC (804) 898-7147
N.Va. District EC: Jim Wilson, K4BAV (703) 971-1127
Fairfax Co. EC: Marc Nachman, WD4LWD 644-0166
Vienna Asst. EC: Jeff Wilkes, W4NFA
& editor of 9809 Meadow Dale Ct.
Public Service Vienna, Va. 22180
Report: (703) 281-4249
Fairfax Asst. EC: Benn Kobb, KC5CW 352-7943
Mt. Vernon Asst. EC: Steve Schneider, WB4EEA 683-6570
Alexandria EC: Andy Arnold, N4EBU 573-6044
Arlington Co. EC: VACANT
Prince William Co. EC: Harry Vorhauer, W4PVA 368-6050
Loudon Co. EC: VACANT

.....
Maryland-DC SEC: VACANT
Maryland-DC DEC: VACANT
Dist. of Columbia EC: Ken Williams, N3AQG 363-4234

September Public Service Report

Anne Arundel Co. EC: Kurt Fritsch, WA3TOY 768-7903
Baltimore EC: Cam Whetstone, WA3YOH 486-2609
Calvert Co. EC: Woody Schwartz, W3ZNW 535-1281
Carroll Co. EC: Leonard Keepers, KB3NL 756-6222
Charles Co. EC: Art VanHecke, N3CAF 283-2382
Frederick Co. EC: Jack Renard, WA3ZCY 271-7250
Montgomery Co. EC: Al Taylor, KN3U 251-9464
Prince Georges Co. EC: Gould Turney, KA3DUE 868-3374
St. Mary's Co. EC: Robert Carter, WA5UNR 373-5183

NATIONAL CAPITAL AREA EMERGENCY AND TRAFFIC NETS

Daily:

1300 Local: Virginia Traffic Net: 7.26 SSB
1800 Local: Maryland Emergency Phone Net: 3.920 SSB
1800 Local: Virginia Sideband Net: 3.947 SSB
1830 Local: Virginia Slow Net: 3.68 CW
1900 Local: Virginia Net (early): 3.68 CW
1900 Local: MD-DC Net: 3.643 CW
1900 Local: Shenandoah Valley Emergency Net: 146.22/.82 FM
1930 Local: MD Slow Net: 3.717 CW
2200 Local: MD-DC Net: 3.643 CW
2200 Local: Virginia Net (late): 3.68 CW
2215 Local: Virginia Late Net: 3.947 SSB

Weekends & Holidays:

4/1-11/15 1100/1500: Chesapeake Bay Weather & Traffic Net: 147.705/.105 FM

Sundays:

2100 Local: Md-DC-NVa Regional EC Net: 146.91/31 FM

Mondays:

2000 Local: Woodbridge Wireless Net: 147.84/.24 FM

Tuesdays:

2000 Local: Mt. Vernon ARES Net: 146.055/.655

Wednesdays:

2000 Local: S. Maryland ARES Net: 147.75/.15 FM

Thursdays:

1930 Local: Vienna Wireless Society Emergency Net: 146.085/.685 FM
2000 Local: Alexandria Radio Club Net: 147.915/.315 FM
2000 Local: Arlington Co. ARES Net: 147.645/.045 FM
2000 Local: Ole Virginia Hams Net: 146.37/.97 FM

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NANCY DRAHEIM, NK4U

This column has generated a lot of interest from potential hams or those who are licensed and looking for upgrading classes. If you know of a club, or individual who is planning to give a class in Amateur Radio theory, please let me know the particulars so this information can be passed along.

SCHEDULED CLASSES

Vienna Wireless Society:

NOVICE--Begins October 7 at Vienna Community Center. Contact Bob, 7595730 to register. Upgrading Classes on informal basis. Begins October 19.

Arlington Amateur Radio Club NOVICE classes begins September 11 at Arlington Red Cross Building. Contact Fred, 533-0372 to register.

Peninsula Radio Operators Society NOVICE Classes begins September 10th at Holly Center, Salisbury, Md. Contact John Rupprecht, 301-749-7444 to register. Extra Class classes are also being offered.

SCHEDULE OF EXAMINATIONS

October 19, 1985

Southern Maryland ARC, Andrews Air Force Base (ARRL VEC)

Application FCC FORM 610 Must be received by October 12. \$4 check made out to ARRL/VEC, Copy of your current amateur license (bring original) Business-sized SASE. Mail application to John Buchanan, 4201 Landing Lane, Dunkirk, Md 20754 855-5280.

October 20, 1985

Baltimore Radio Amateur TV Society (Laurel VEC), Walkins accepted. Same requirements as above. Mail application to George Freed 12108 Velvet Hills Dr, Owings Mills, Md 21117, 356-5588

November 9, 1985

Old Virginia Hams, Manassas, Va (ARRL VEC). Same requirements as above. Mail application to Robert Spindle, 9548 Covington Pl, Manassas, Va 22110

November 9, 1985

Frederick ARC, Frederick, Md, limited Walkins, Applications should be received by October 14 to Rick Ogden, 9425 Glade Av, Walkersville, Md 21793 845-2670

November 14, 1985

Hampton Roads radio Assn, Hampton Va (ARRL VEC) Same requirements as above, applications must be received by October 16 to Ed Boomhower, 1900 Athens Ct, Chesapeake, Va 23323 487-6526.

November 23, 1985

Peninsula Radio Operators Society, limited walkins, same requirements as above, Mail applications to Pros, P.O Box 2315, Salisbury, Md, 21801, for further information contact John Rupprecht, 301/749-7444

November 17, 1985 Baltimore Radio Amateur TV Society (Laurel VEC) walkins accepted, same requirements as above. Mail application to George Freed, 12108 Velvet Hills Dr, Owings Mills, Md 21117 301/356-5588

November 26, 1985

Red Rose Repeater Assoc.

Lancaster, Pa. Contact Terry Miller, 1371 Glen Moore Circle, Lancaster, Pa 17601.

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Mike Peterson sure does! His exciting first contact was the beginning of a new world for him — a world without restrictions — a world supported by the Courage HANDI-HAM System.

The Courage HANDI-HAM System is an organized group of disabled and able-bodied licensed hams, who help individuals with physical handicaps become involved with Amateur Radio.

As a HANDI-HAM member, Mike's travel adventures have not been limited by his wheelchair. If you'd like to help HANDI-HAM students travel the airways and discover the thrill of making the first QSO, contact the address below.

Ⓒ COURAGE HANDI-HAM® SYSTEM Ⓒ
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Foundation For Amateur Radio, Inc.

MINUTES BOARD OF TRUSTEES MEETING AUGUST 14, 1985

THE MEETING WAS CALLED TO ORDER AT 8:00 P.M. BY PRESIDENT CHRIS IMLAY, N3AKD. THERE WERE 18 TRUSTEES PRESENT AND 4 VISITORS.

HUGH TURNBULL (W3ABC) PRESENTED THE WINNERS OF THE SCHOLARSHIP AWARDS AND A MOTION WAS MADE, SECONDED AND CARRIED TO APPROVE THESE AWARDS. THERE FOLLOWED A MOTION TO CONGRATULATE THE SCHOLARSHIP COMMITTEE FOR THEIR SUPERIOR WORK. THIS MOTION WAS SECONDED AND CARRIED UNANIMOUSLY.

A REPORT WAS MADE ON A MEETING IN GETTYSBURG OF THE VOLUNTEER EXAMINER COORDINATORS. BASICALLY THE SUBJECT MATTER INCLUDED: ELIMINATION OF ERROR RATE, BETTER TURNAROUND OF EXAMS, FCC ENFORCEMENT OF FRAUD AND THE FACT THAT THERE WOULD BE NO GOING BACK TO THE OLD SYSTEM OF THE FCC ADMINISTERING THE AMATEUR EXAMS.

FOLLOWING INTRODUCTIONS, THE MINUTES OF THE PREVIOUS MEETING WERE APPROVED.

PHIL RUSSO (W3ELS), INFORMED THE TRUSTEES THAT THE AUTOCALL COMMITTEE (PHIL RUSSO, HUGH TURNBULL, BOB MILLIGAN AND HERSH MILLER) RECOMMENDED THAT PHIL SAGER (WB4FDT) BE APPOINTED EDITOR OF AUTOCALL. IT WAS THEN MOVED THAT THE TRUSTEES ACCEPT THE COMMITTEE'S RECOMMENDATION. THIS MOTION WAS SECONDED AND CARRIED UNANIMOUSLY. IT WAS NOTED THAT THE 5TH OF EACH MONTH WOULD BE THE CUTOFF FOR SUBMISSIONS FOR THE NEXT MONTH'S ISSUE OF AUTOCALL.

BOB MOORE (N3CKD), CHAIRMAN OF THE GAITHERSBURG HAMFEST, PRESENTED HIS REPORT WHICH INCLUDED A LISTING OF PRIZES, THE FACT THAT THE HOLIDAY INN AND MARRIOTT HOTELS IN GAITHERSBURG WERE OFFERING ROOM DISCOUNTS ON THE HAMFEST WEEKEND (IF REQUESTED), AND REQUESTED HELP FOR ADDITIONAL CHORES.

THE WIDOWS ASSISTANCE CHAIRMAN SUGGESTED THAT THE TRUSTEES CONSIDER, FOR DISCUSSION AT THE NEXT MEETING, THE CHANGING OF THE WIDOWS ASSISTANCE CONCEPT TO BE THAT ITEMS BE DONATED AND A TAX DEDUCTION TAKEN RATHER THAN HAVE THE ITEMS SOLD AND MONEY FORWARDED AS APPROPRIATE. THIS WOULD ELIMINATE THE PAPER WORK NOW INVOLVED.

THE HF STATION WHICH WAS DONATED TO THE SCHOLARSHIP COMMITTEE WAS SOLD FOR \$375.

IT WAS SUGGESTED THAT FAR UNDERTAKE AN EFFORT WHICH WOULD OBTAIN THE NAMES OF ALL NEW NOVICES IN THE AREA AND ARRANGE FOR CLUBS TO CONTACT THEM AND WELCOME THEM INTO THE WORLD OF AMATEUR RADIO.

PHIL RUSSO, NANCY DRAHEIM, HERSH MILLER AND BOB MOORE WERE APPOINTED TO A COMMITTEE TO CONSIDER MAKING THE GAITHERSBURG HAMFEST A 2-DAY AFFAIR.

MEETING ADJOURNED AT 9:35 P.M.

THE NEXT MEETING WILL BE ON SEPTEMBER 11, COMMENCING AT 8 P.M. AT THE COLUMBIA UNION COLLEGE. ALL MEETINGS ARE OPEN AND ANY INTERESTED PERSONS ARE URGED TO ATTEND. FOR FURTHER INFORMATION, CALL THE SECRETARY AT 691-0078 OR CONTACT YOUR CLUB TRUSTEE.

RESPECTFULLY SUBMITTED,
NANCY DRAHEIM NK4U
SECRETARY

Frederick Amateur Radio Club

Regular meetings 2nd Tues. each month held in Frederick Communications Center, Montevue Lane, Frederick, Md. at 8:00 P.M.

Independent area repeaters on 146.73 and 444.80/W3SOG also 147.06 and 448.75/WA3OHI

ARES on the air drills each Monday at 9:00 P.M. on 146.58 or 147.06/R

After a busy summer we are ready for the fall season. Our Hamfest was the best ever by far. Our thanks go to Jim KA3LPC and his able crew of helpers. To insure a greater success next summer, we have convinced Jim he should again chair the Hamfest Committee for 1986.

Field Day, coming the week after the Fest, found everyone too busy or tired to mount an effective operation. Maybe we can separate the available people power in the club into two groups and enlist the help of new licensees from our classes so we can accomplish both projects next year.

Speaking of projects, the Club Communications Van project is still in "creeper" gear. It now sports a new coat of paint and mechanically is in top shape but needs a few repairs to door locks to insure security before installation of furnishings and equipment. We hope fall and cooler weather will spark the interest and effort necessary to finish the job and put it in operating condition.

Annual Fall Novice class training will start, under supervision of Steve W3FOA, Monday evening September 30th. Classes will be held in Thomas Johnson High School, N. Market Street, Frederick, Md. and each Monday thereafter 7:00 to 9:00 P.M. until students are ready for the FCC examination. Usually about 12 sessions are required. A fee of \$5.00, plus materials needed, will be charged each student. If you know of a friend or acquaintance in the Frederick area, who would like to register for the course, do him or her a favor and make sure the message gets through before the first session.

The Club picnic held September 15th at Pinecliff Park was a dandy as always. Jim Mackley, WB3FWD and crew made sure no one went away hungry. Of course there is still some question as to who can dis-member a crab in the least time there was no shortage of ambitious contestants. Fried Chicken and all the trimmings rounded out a fine picnic enjoyed by all who attended.

Another high light of the summer was the June Club meeting, held at the Frederick Sheraton Inn. The featured speaker was a favorite, John Johnston W3BE, Chief of the Personal Radio Division of FCC. We also had the pleasure of visiting with Hugh Turnbull, W3ABC our very active ARRL Atlantic Division Director who shared the evening with us. Everyone enjoyed the festivities.

The schedule for examinations by our Frederick Club VEC group has been set for the second Saturday in November, February, May and August. Each will be held at the Frederick Communications Center on Montevue Lane, Frederick, Md. at 9:00 A.M. Requests for 610 forms should be accompanied by a self addressed stamped envelope and sent to N3RO Rick Ogden, 9425 Glade Ave., Walkersville, Md. 21793 Phone 301-845-2670. Requests for registration should reach Rick by the 15th of the month preceding the date the examination is to be held. Although we try to provide a few extra test forms for emergencies, it is best to register in advance to be sure you can participate.

National Capitol DX Association

On-the-Air meetings every Wednesday evening at 8:30 p.m. on 147.00 repeater. DX alert frequency 147.420 simplex.

A regular meeting of NCDXA was held on September 7th, at the Anchor Inn, Wheaton, Md, on the eve of the giant FAR-sponsored Gaithersburg Hamfest. As is the usual practice, it was a dinner meeting preceded by a social hour, and followed by interesting comments from members and guests. The only club business discussed was the report from the ad hoc Nominating committee of possible candidates for next year's club officers, and a brief Treasurer's report.

The present officers were polled to determine their desire and availability to stand for reelection. Stu Meyer, W2GHK, 1985 president, agreed to serve again, as did our perennial Treasurer, Henry Herman, W3UJ. Larry Kettlewell, W3HHG, our 1985 Vice-president, asked for relief for time to build an antenna farm at his new QTH in Vienna. Our super-Secretary, Bob Chapman, WB4FTU, keeper of the NCDXA "Want List" likewise asked the committee to seek another candidate.

Nominations from the floor were requested, and Ed Berkowitz, N3US, expressed interest in the Vice-President slot. The Nominating Committee will continue to seek candidates until the next regular meeting, now scheduled for October 19th, in Virginia (location to be announced). Please contact Jeff Hutchinson, W4PBC, (703)451-2818 or office number 243-8555 if you would like to run for any of the Club's offices, or if you have suggestions of nominees.

ARRL Atlantic Division Director Hugh Turnbull, commented after dinner that the ARRL is becoming increasingly disturbed by the costs of the volunteer license examining program, citing losses of more than \$250,000. to date. Hugh also said that DX is alive and well in the Atlantic Division, with at least ten active clubs, including PVRC and NCDXA working the pileups.

Fred Laun, K3Z0, reported that his new 80m, 3 element KLM beam is up (at 140') and running, and reports from G-land give him 2 S-units improvement over his 80m sloper. The elements are 90' long the boom 50', and the installed cost over \$15,000. Wow!

Guest John Swafford, W4HU, President of the Northern Virginia QCWA Chapter, advised that the Washington Area QCWA annual banquet will be held on March 29, 1986 at the Hyatt-Arlington Hotel, in Rosslyn.

Nancy Draheim, NK4U, of the Sterling Park ARC, Manager of the 2 letter prefixed QSL Bureau asked after dinner for volunteers to handle "C", "D", "J", and "O" suffix calls. She also suggested that NCDXA consider becoming active in the VEC program.

Henry Herman, W3UJ, reported that NCDXA has more than \$1500. in the bank and that cook book sales are approaching break-even, mostly due to the personal selling efforts of Hope, WB3ANE. Don Search, W3AZD, said that the DXAC has voted again on the Pribiloff Islands country question, this time in the affirmative.

The meeting adjourned at 9:30 p.m. to the sounds of fire engines responding to a two-alarm blaze in a picture frame shop down the street. W3AZD, also a Silver Spring Md. Volunteer Fireman, responded to the call.

73 Jeff Hutchinson, W4PBC.

Anne Arundel Radio Club



MEETINGS: 8 p.m. first and third Thursdays, Davidsonville Family Recreation Center, Queen Anne Bridge and Wayson Rds off Md 214 near Annapolis.

ON THE AIR 2030 Thursdays when there is no Club meeting (2100DST) on 147.705/105. Tuesdays at 2030 on 28.710 (2100DST). The Chesapeake Bay Weather and Traffic Net on 147.705/105 at 1100 and 1500 every weekend day and public holiday from April 1 to Nov 15. MSN (Md Slow Net) every evening at 1930 on 3.717 Mhz.

Address: P.O. Box 308, Davidsonville, Md 21035

Information: Margaret (Holly) Bevan, N3BMB, (301)987-4687

The Technical Committee continues to discover additional damage inflicted by Tropical storm "Bob". The only problem with the antenna was thought to be a broken bracket which left it leaning at a rakish angle. Closer inspection revealed a bent mast and a broken bottom element. When it has been replaced with a new antenna, it will be repaired to serve as a replacement for the antenna now on the north county machine. Repairs on the repeater will be soon completed. By the end of October, AARC hopes to have a healthy machine on the air--as good or better than ever.

Contributions to the "Repeater disaster Fund" have now reached a total of \$1333.00. from approximately of the membership and a few non-members. It is hoped a few more persons will make donations since the total cost of all the repairs will exceed that amount.

14 club members served as communicators for the annual Annapolis 10 mile run on the morning of August 25th. Three members performed the same service for the Volunteer Firemen's Convention at Kurtz Beach in Pasadena on September 7th. AARC members also participated in Calvex '85, the RACES emergency exercise on September 10th.

We report with sadness that Club member George Legge, N3CYS, became a silent key on September 2nd. We have received a report that former Guy Little, K3HFV, became a silent key on August 28th.

John Buchanan, Formerly N3EEW, is now an Extra with the call KW3X. Three new Techs have now received their new calls; Al Nestor changed from KA3OFI to N3EOD. Patty Nestor who was KA3ODD is now N3EOC. John Currey, formerly KA3ODC, now answers to N3EOB.

Margaret (Holly) Bevan, 987-4687

Rock Creek Amateur Radio Association



2 METER NETS: AM 145.20 TUESDAYS 8:35 PM FM 144.65/145.25 MONDAYS 8:00PM
RCARA ALUMNI NET: 7.23 Mhz MONDAYS 11:00 AM

RCARA LUNCHEON: WEDNESDAYS, 12 NOON, ANCHOR INN, WHEATON, MD.

MEETING: 8PM THE THIRD FRIDAY OF EACH MONTH AT VITRO LABORATORIES BUILDING 4, 13900 CONNECTICUT AVE.

President Carl Brandt, N3CFA has received notification that our Club has been designated an ARRL Special Service Club. An Executive Committee meeting is scheduled to consider the impact of this designation on Club Activities.

Chris Imlay, N3AKD, Foundation President, was our guest speaker for the August meeting. He discussed the change being made to Auto-Call, Foundation programs, and items of interest to Amateurs that are being considered by FCC.

Bob Henkel, KA3NJU, was welcomed as a new member.

Montgomery Recreation department is sponsoring Amateur Radio Classes, Novice through Extra commencing the first week in October. Please call 468-4050 for details.

Old Virginia Hams Amateur Radio Club

MEETINGS; THIRD MONDAY OF EVERY MONTH AT 2000 LMT. VISITORS WELCOME.
MEETINGS HELD IN THE BASEMENT AUDITORIUM, NORTHERN VIRGINIA ELECTRIC
COOPERATIVE BUILDING, 10323 LOMOND DRIVE, MANASSAS, VA 22110.
REPEATER: WA4FPM 146.37/146.97 MHZ OPEN REPEATER. INFORMATION NET EVERY
THURSDAY AT 2000 LMT; W4PVA IS NCS. FOR INFORMATION ON MEETINGS, LICENSE
CLASSES, ETC., WRITE: OVHARC, PO BOX 1255, MANASSAS, VA 22110.

The OVHARC met on 19 August 1985 in the basement auditorium at the
Northern Virginia Electric Cooperative Building. 28 OVH members and eight
guests attended. Of those attending, 25 were ARRL members.

Under OLD/NEW BUSINESS:

No Treasurer's report. OK, this month...but, if Jimmy doesn't show at the
September meeting...start checking the bus stations!

Harry, W4PVA, reported that the next Manassas-area VE exam is to be held
on 9 November 1985. The location is not yet firm, and won't be until
after the 27th of September - when we find out whether or not NVCC will
have room available for the exams. Harry also reported on the next
emergency test to be held on 24 August (Thanks to Milt, N4SN, for handling
that for Harry.); and, an emergency test (SET?) to be held on 14
September 1985. The test on the 14th is going to be a big one (Ed:
Anyone in the Washington-Metro area able to lend a hand with their
respective organizations will be welcome; I'm sure.).

Tim, KB4NR, reported on the repeater. The new antenna is "in" and ready
for installation (on the next cool day). Still no firm word on the DVR or
the new software - other than the company is still in the "debug" phase.
Good show! Debug it first, then send it. Tim also presented several
options for use of the old repeater antenna which need to be considered
at the next meeting.

Although the business portion was reported first, the meeting actually
started with a presentation given by Brian Lloyd, WB6RQN, about Packet
Radio. "Packet Racket," as he later kidded. Brian started off with an
enthusiastic summary of his talk - Packet Radio: what is it? What are we
doing with it? How do you use it? What can it be used for? And, what's
going to happen in the future? From about three years ago, when an
amateur could get a bare board and stuff it full of chips...to now, where
several commercial outfits offer full-blown terminal node controllers or
software for PCs. Noting the recent articles in QST (Ed: and other
publications - including Auto-call, The Virginia Ham, and The CVRA
Repeater Journal), Brian mentioned that only 150 - 200 amateurs were
active in Packet Radio two years ago. Now, 4000 - 5000 amateurs have the
Packet Racket. Earlier in the program, Brian had said: "Packet
Radio...is the next big leap for Amateur Radio." As his presentation
progressed, he talked about the fantastic leap now in progress. Like the
old 1960's spoof on the song "Santa Claus is Coming to Town", it's
everywhere, it's everywhere! It's not an expensive add-on, it's not
difficult to understand, it's a heck of a way to communicate effectively -
both from a speed standpoint and a spectrum-efficient standpoint. Those
are two aspects that we need to foster...all the time (Ed: except in
newsletters, of course.). Brian's address, for those of you interested in
learning more about Packet Radio, is: Brian Lloyd, WB6RQN, 19200 Tilford
Way, Germantown, MD 20874. (301) 540-1363. If you're just getting
started in Packet Radio, look for him on 145.01 MHz.

Metropolitan Communications Network Radio Club

MEETINGS: QUARTERLY, ON THE SECOND SUNDAY OF THE MONTH: PLACE TO BE ANNOUNCED.

REPEATER: WB3DBU/R 52.250 Mhz in: 53.250 Mhz out. ACCESSIBLE ON 147.555 Mhz IN THE SIMPLEX MODE.

ON THE AIR: SATURDAYS AT 1900 HOURS.

MAILING: c/o BOB SPORN, WA3GGO. 9927 COTTRELL TERR. SILVER SPRING, MD. 20903

INFORMATION: BOB SPORN, WA3GGO, 434-1719

Congratulations to Phillip Hoey, N3API, for upgrading from General to Advanced and to KC3SV for upgrading his license. For those of you who have not received the interesting 8½ x 11" certificate making you a vice president of the "Husbands Protective Association" send a business-sized self-addressed stamped envelope to Frank Hipsley, WA3ZAR, indicating as to what you would like to be Vice-President of, and you will receive a certificate to grace the walls of your ham shack.

The Sunday Morning Coffee Net (6 meters AM) on 50.4 Sundays at 0900 hours

The office of Net Control for the 6 meter AM net is still open. From Bill, W3AEA we learn that there is a 2 meter AM net which meets on Tuesdays at 8:30 p.m. on 145.35 Mhz. We also learn that in Mitchell, Nebraska, there is a 6 meter am net which meets on Sunday, 7:30 Nebraska time, on 50.150. SMIRK also tells us a Milwaukee 6 meter RTTY net on 50.3 mhz at 0130UTC.

The Maryland Six Meter Free State Sideband Net, Sundays at 19:00 hours on 50.125 mhz

Ft Wayne has a SSB net which meets nightly, Mon-Fri at 0030UTC on 50.120 according to SMIRK with various stations acting as NCS. Maybe we should try that on the 6 meter AM Net?. President Frank Hipsley, WA3ZAR, working QRP on 6 meter SSB, has confirmed 19 states and Canada with one watt.

It is with deep regret that we have to announce the passing of Guy Little, K3HFV. Guy was a ham for 35 years, operating mostly on 6 meters. Guy courageously fought to the very end. One would visit him in the hospital and there he would be, with his HT, and a J-pole antenna hanging from the window curtain rods! Guy got his ARRL WAS on 6 meters SSB, and later, again got WAS on 6 meters SSB in one year. In the April, 1965 issue of Auto-Call, Guy is reported having given a talk at Ft. Belvoir club on TVI. Guy's wish to reach his 73rd birthday on July 31st pleased him. We shall miss him but Guy will always remain in our memory.

Washington Adventist Amateur Radio Association

Henry's adventures with 18,000 kids in Colorado.

Ed Peterson, K3LJP, and I provided assistance with the amateur radio station at the 1985 North American Pathfinder Camporee high in the beautiful Colorado Rockies. The Pathfinders is a youth ministry of the Seventh-Day Adventist Church; this is a scout-like organization (not connected with the Boy Scouts) for youths aged 9 to 15. A total of 18,000 youngsters from all over the United States and Canada attended this camporee, and this was the first attempt to have such a large-scale event, needless to say, things go quite interesting!

The event was held from July 31 to August 6 at Camp Hale, which is in the 9300 foot high valley between Leadville and Vail. The camp had THREE public telephones to handle 18,000 talkative Pathfinders (plus staff). The station KA0CBZ had a Kenwood TS-930 fed into a hy-gain Explorer 14 triband beam atop a telephone pole, a TS-130 fed into a set of dipoles and a two meter setup. In addition, someone brought a portable OSCAR station. As you could expect with the paucity of public telephones, there was a great demand for traffic handling (we handled 2400 messages); unfortunately poor propagation conditions hindered our efforts in getting out, but we finally got them all out before the kids left for home. Jerry Cullum, N3EII, Eric Engen KC3PL, and Diane Weisburger N3EKB, served as message receiving stations for this area. In addition, we had a video presentation on ham radio (ARRL films) and the normal "show and tell".

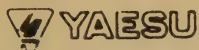
Before I came, the idea of 18,000 rambunctious kids frightened me, but they were very well behaved. Three of the Clubs took me under their wing and saw to it that I was well fed. The weather was great (although it did get down to 31 degrees at night), and the scenery was spectacular and breathtaking. If any of you have the opportunity to help with ham radio at such a gathering of young people (scouts, church etc), DO IT! You will receive far more than you give.

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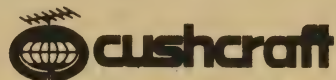
FM101Z FM Unit for 101Z
AM101Z AM Unit for 101Z
Cooling Fan
FRB707 Relay Box for 707
901 Keyer Unit
FT-ONE Ram Board
XF8.8HCN 350 Hz CW Filter
YM49 Speaker Mike
FBA3 Charger
FF5 Filter
MMB2 Mobile Mt for 707
DC-101Z DC-DC Converter for 101ZD
FT1 DC Cord
E72S Cable
S72 Switch Box
XF8.9GA AM Filter
XF8.9HC 600 Hz CW Filter
XF8.2GA AM Filter
XF8.2HC 600 Hz CW Filter
YE7 Mike
FV707DM VFO for 707
FTV707 Transverter w/O module
2m Module for above
FP80A Power Supply
FL2010 2m Amp
MR7 Mounting Rack
FP107E Power Supply



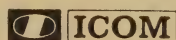
10 Foot Masts
5 Foot Masts
WM4X 4" Wall Mount
WM7X 7" Wall Mount
WM18 18" Wall Mount
20 Ft Push-up Mast
50 Ft Push-up Mast



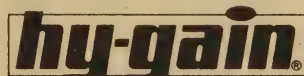
KR-21 Key
248 Noise Blanker
275 Crystal Calibrator
223 Noise Blanker
2250 Circuit Breaker



LAC-1 & 2 Lightning Arrestor
Vinal Boots
A14-2 2 El 20m Beam
AMS-222 220 MHz Mag Mt Ant
214 FB 14 el 2m Beam (FM)



FA1 2m Duck
EX144 Fan Adaptor
EX182 LDA-1 Interface adaptor
for 720
CF1 Fan
MB3 Mobile Bracket
3PS Power Supply
AH-1 Mobile Antenna
PS20 Power Supply
EX205 Transverter for 730
Adaptor Cable for PS20
Spinner Knobs for 255,260



208 8el 2m Beam
239 3 el 10m Beam
184 Roof Mt Radial Kit
229 Lightning Arrestor
251 2m Trunk Mt Antenna
275 Rubber Duckie (PL-259)
269 Rubber Duckie (3/16-32)
CB12 Boom Mike Headset
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KENWOOD TS-530-S HF, SSB, transceiver plus
 remote VFO, Key, Mike, with boxes and manual.
 Mint. Also 2 linears and high power parts
 and tubes. \$600.00 or offer(s). Steve,
 N4IOY, (703)532-8030.

FOR SALE: KENWOOD STATION like new TS120s
 transceiver with YK88C crystal filter, VFO
 120 remote vfo SP-120 speaker, AT 180 ant
 tuner PS 30 power supply, microphone, Champ-
 ion Vibroplex keyer, Leader LBO 310 Ham
 oscilloscope, NYE Viking phone patch with all
 boxes and manuals. \$1500.00. Call Mike
 (703)734-7993 or (703)356-4909

FOR SALE: MOTOROLA MOTRAC model U63HHT3130C,
 80 watts output, 2 channel, PL, all control
 cables, control head and mounting bracket.
 This rig is crystaled on 146.01/61 and 146.28
 /.88 and in excellent condition. Al, 776-3814.
 (Nov)

FOR SALE: Two meter amplifier, Tokyo Hi-
 Power Labs model HL-32V. .5 watts input
 produces 10 watts output. 3 watts input pro-
 duces 30 watts output. Includes mounting
 bracket. Great for low power handhelds.
 Excellent condition. \$50.00. Call Al,
 776-3814
 (Nov)

HOME FOR SALE: Excellent hilltop location in
 New Carrollton, Md, 3BR, 1½ bath, brick ramb-
 ler, Nice basement with knotty pine rec room,
 work shop, laundry, HAM SHACK, lots of storage
 Features central air, fireplace, new carpet,
 gas range, dryer and hot water heater.
 Almost new Rohn 48' self supporting tower.
 Excellent shot to Europe. I Win in teletype
 contests (150 confirmed on RTTY) Receive
 Metrovision 426.25 MHZ at P5. MDS (2GHZ)
 also P5!. Nice home, movein condition. 2
 blocks from doctor, dentist, shopping, bus
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 to Metro/Amtrak station. Quiet dead-end
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 Ed Bruns, W3EKT, 8308 Longfellow St., New
 Carrollton, Md 20784. (301) 459-5325(H), or
 (202) 767-3677(W).

For one dollar your ad here could have
 been read by over 1500 amateurs!

SHACK SALES

FOR SALE: ICOM IC-740 package	\$50.00
KENWOOD TS-520/SP-520	\$300.00
COMMODORE VIC-20 package	\$120.00
MICRONTA 1.25A 12V P/S	5.00
DENTRON W-2 Wattmeter	50.00
Daiwa CN-540 VHF watt/SWR meter	50.00
Daiwa 2 position coax switch	10.00
MFJ-962 Tuner, w/by-pass switch	200.00
Bencher Iambic paddle (black)	20.00
MFJ Dual Memory Keyer	50.00

Steve Carroll, N2DDI, (703)695-6329
 daytime hours only.

FOR SALE: Kenwood VFO-240 or trade for
 AT-230. Heathkit HW-8 QRP, unassembled,
 mint, includes instructions and parts
 for mods (RIT, xtal cal, keyer, audio
 filter, etc) includes power supply.
 W3EVG, Paul Arnold, 12426 Chalford Lane
 Bowie, Md (301)262-8639.

WANTED: Collins KWM-2A transceiver in good
 operating condition. Jack Kelleher, W4ZC,
 (703)560-4438.

NEED TIME TO STUDY FOR UPGRADING? Take a
 vacation July 26-August 9, 1986 at Oak
 Hill Academy. Learn technology, theory,
 code speed techniques, and licensing pro-
 cedures. For details contact Carl Peters,
 K4DNJ (director since 1959), Oak Hill
 Academy, Amateur Radio Session, Mouth of
 Wilson, Va 24363 ((804) 272-6428
 (July)

SELL: Hammarlund HQ-180, excellent condi-
 tion, clock, original manual. \$180.00. or
 best offer. Panasonic RF-2900, very good
 condition. \$150.00/offer. UPS included.
 Mike, KA3CXG, (301)933-6887 after 2300 UTC

FOR SALE: COMPUTER SOFTWARE, TI99-4A,
 RS-232, never used, \$35.00. Call C.W.
 Hamm, W3IVY, 948-0324.

FOR SALE: Teletype Model 19. Good working
 condition, \$20.00. Julio Marcia, 13317
 Reid Lane, Fort Washington, Md (301) 292-
 6109.

SHACK SALES

SELLING: Mosley 203C, 14MHZ only. You pick up. \$100.00. Cornell-Dubilier rotator and other parts as available. (2) About a dozen 250TH's \$100.00. (3) Heavy duty 5000VDC, 15A, Misc panel meters, commercial rectifier bridge W3AFM, (301) 654-7669

Zenith 19" color TV, sometimes intermittent, Picture tube OK. Will include factory service manual. XYL wants a new TV, \$50.00. RCA 15" B&W TV, audio need work, Airline stereo 8 track 2 speakers, Player needs work, Realistic 8 track for auto (2), Needs work, Ross solidstate tape recorder, needs some work. All for \$30.00 Cameras, Kodak 600--Polaroid big swinger 3000, Kokak Hawkeye instamatic R4 with extra lenses, and in case, plus leather gadget bag. All for \$45.00. Measurements 80 Signal Generator to 480 MHZ, \$175.00.

Kenwood TS-520S with fan and SSB table mike.

Excellent used as spare \$395.00.

SB-34 with mike. Slight receiving hum. Will include special factory service manual. \$195.00 Radio mags 31 different 1966-1982 \$7.00.

RCA test sets 1945 vintage, both \$35.00.

Heath HM-102 new RF power mtr, \$35.00. Have 2.

C-60 cassette tapes, \$15.00 for a dozen.

CallBooks, 1979 both for \$10.00.

Have 220 and 440 xtals. All for \$25.00.

New Heathkit SB220 plate transformer \$50.00.

Also have parts, diagrams, manuals, from several years of hamming. W3MSN, Oxon Hill, Md 894-3977.

FOR SALE: ATLAS STATION: 210/NB Solid state transceiver with noise blanker, 220-CS/VOX/AC console power supply VOX?SEMI break in CW, DMK plug in mobile mounting kit, MT-1 mobile antenna matching transformer. \$300.00

Icom 211 two-meter transceiver \$375.00 just back from factory.

Icom 22S/Icom mike/VIP switch-scrubber ABD mike/TTP, make offer. HY-Gain CDE-44 rotor (new)

\$75.00. Icom 146A 2 meter handheld and ACC (make offer).

I'm out of town until October 8. Leave message on recorder. Work shifts. Buz Sawyer, (301) 464-8108. WA3PTO.

FOR SALE: Test equipment, meters, 3" scope, 5" video monitor, 12" B&W TV, CB w/mag mount, 1/4 and one-third HP motors, teletype ASR-33 with spare parts, extra motor, tape paper and manuals, Good for computer printer. Also miscellaneous items. Call After 10AM, 942-6266. Len--K3ATA--Wheaton, Md.

FOR SALE: Blower, Dayton 2C841, 115 VAC, 50/60 hz, air 1585 rpm, 185 watts 350 cpm \$53.75 Grainger supply wholesale (P. 1120, catalogue 365, spring 1984.) Used about 20 hours. \$30 or offer. General Radio Variac, 100Q, 115vac, 18A, 2KVA, three-fourths diam. shaft 1 5/8" long, minus control wheel mint condition. \$50.00 or offer. 30 position rotary switch. Tech labs, Palisades park, NJ, type 900-1N30-6. 3 7/8" square, 11 1/4" long, projecting 1/4" steel shaft (overall shaft length is 14 1/4") 6 wafers, low loss G-10 wafer material. Ordered for project that was not completed. Cost \$100. when bought. Have all paperwork. \$50. or offer.

Aluminum chasis, .1" thick 7075-T6, 11 7/8" x 16 7/8" x 3". Two inches by 1 1/2 cutout on one long side, panel can be attached to this side. Was custom made for me at an earlier time, but cannot use now because of apartment space limitations. Ideal for high power final \$15. or offer W3HML, (202) 561-8060.

NEED 25 to 50 khz 50 watt maximum output transformer; CT primary, 12 vdc operation, approx 4 arms secondary, 8,16,32 ohms impedance or untapped 32 ohms impeded (approx) W3HML (202) 561-8060.

Need Antenna or tower work done?? Call L. Chertok, W3GRF, 297-4888

Tyger Electronics has purchased the stock of a failed TV repair shop, and has available a large number of the following: Chokes, flybacks, coils, transformers, pots, replacement antennas, Filter caps, PC board subassemblies, high watt resistors, much more. Want to sell as lot but will break up. Business SASE to PO Box 750, Clinton, MD 20735 or call Bob at (301)248-7302 evenings after 6.

VACUUM TUBES: Tyger Electronics has over 1200 types of vacuum tubes immediately available for shipment. Various manufacturers. New stock acquired constantly. Renew your equipment with replacements at reasonable rates. Let us know of your hard to find items. Send SASE for price list to P.O. Box 750, Clinton, Md 20735 or call Bob at (301)248-7302 evenings between 6 and 10 p.m. and anytime weekends.

Vienna Wireless Society

PO BOX 418 VIENNA, VA. 22180
EMERGENCY NET MEETS EVERY THURSDAY AT 7:30 PM. ON CLUB REPEATER
K4HTA, 146.085/146.685



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EMERGENCY NET MEETS EVERY THURSDAY AT 7:30 PM ON CLUB REPEATER
K4HTA, 146.085/146.685.

MEETINGS: SECOND AND FOURTH FRIDAYS EXCEPT FOR WINTER HOLIDAY MONTHS.
THE VWS MEETS ON THE SECOND FLOOR OF THE VIENNA COMMUNITY CENTER,
120 CHERRY STREET. VISITORS ARE WELCOME. MEETING STARTS AT 7:30 PM.

ANNUAL MEETING OCTOBER 11

At about the time you receive this Auto-call, the Vienna Wireless Society will be meeting to elect three new board members. The Oct. 11 session will also feature reports from the officers and committee chairmen.

On Nov. 8, the VWS will meet to vote on the 1986 budget. Awards will be presented and the new club officers will be installed.

Both meetings have been scheduled earlier than in past years so that the new officers will have more time to prepare for Winterfest.

NOVICE AND UPGRADE CLASSES START

The first of ten scheduled Novice classes started Oct. 7 at the Vienna Community Center under training director Bob Ruedisueli, W4OWA. The Monday evening sessions last two hours, 7-9 PM, and cover both code and theory. It's still not too late to get aboard or to convince that reluctant family member to get a ticket. Call Bob at 759-5730.

Sessions for those wishing to upgrade or just to get help on a project are also being held at the community center Saturdays 10 AM to noon.

CATCHING UP WITH SUMMER

The VWS annual picnic Aug. 23, was a most successful event. Good weather and great food drew 46 members and guests. Though it hadn't happened by presstime for Auto-call, the VWS Transmitter Hunt was set for Sept. 29, with hunt chairman Bill Mills, KC5PF, having prepared the "RF" search parties with full instructions at the Sept. 13, meeting. Success will depend on how well the hunters 'sighted in' their antennae.

73/ Dave N4KET

DC-MARYLAND SECTION NEWS

John Barolet, KJ3E
ARRL DC-MD Section Manager

As the DC-Maryland ARRL Section Manager, I'm charged with writing a monthly column in QST of interest to all ARRL members in the section, some of them engaged in ham radio activities with which I have no experience whatsoever. (I'm primarily a traffic and emergency operator, spending almost all my operating time in the National Traffic system and local ARES nets.) That's where MD-DC members and affiliated clubs can help me out. Please supply with news of your particular interest and responsibility in the section activities. Let me hear about your club's activities each month. Please put me on the mailing list of your club's newsletters. Up to the limit of the space available in QST, I'll see that your inputs are reported to the ARRL for inclusion in the section activities column, or where appropriate, elsewhere in the magazine.

Tom Abernathy, WA3TAI, longtime Section Emergency Coordinator, has had to resign due to a change in jobs. Until I can find and appoint a replacement, I'll try to do the job myself. Also we have no Bulletin Manager or Technical Coordinator in this Section. If you know of a qualified and interested ARRL member in the section for any of these positions, please send me his or her name, call and address, and I'll certainly follow up on your lead. Thank you in advance for your help.

John Barolet, KJ3E
109 Elliott Court
California, Md 20619.

THE GODDARD AMATEUR RADIO CLUB--WA3NAN

Barry Pybas, KW4I

One of the niceties of living in the metropolitan Washington area is the exposure to unique happenings and opportunities in a wide variety of interests. Like many Americans, I have followed the progress of the Shuttle Program with great pride and enthusiasm over the past few years. I must admit that my opportunity to participate in the WA3NAN GARC coverage of STA-51F was quite by accident and a little bit of luck.

It started by my winning a monthly drawing at a SPARC club meeting. The prize was a year's subscription to AUTOCALL. In the July edition was a plea from Frank Bauer, KA3HDO, for station operators to man WA3NAN, club station for GARC, during space shuttle activity. I called the number given and got his answering machine. When Frank called me the day before STS-51F was to launch, I was quite excited to be a part of the fine effort GARC puts on. Like most projects, there is a requirement for manpower--a lot of it to provide 24 hour a day coverage of such events. I was able to take off a couple of hours from work on Wednesday, July 31, to go to Greenbelt, Md, where the NASA Goddard facility is located.

The club station is located just past the visitor's center entrance on the right side of the road. They have one permanent building and one trailer. The trailer serves as their main operating facility and the permanent cinder block building houses their 2-meter simplex amplifier, laboratory and kitchen. The trailer houses 5 HF stations, an office area, their 2 meter and ATV transceivers, a master console, and an audio link to NASA Mission audio. It is very similar to the way the ARRL broadcasts bulletins.

I was present for orbits 32 thru 36 and thoroughly enjoyed the experience. While at WA3NAN, one can see and hear what is going on between space and ground control since both audio and video coverage of the mission are monitored in real time. The purpose is to share the experience with the rest of the ham world.

Being a first timer at WA3NAN, I spent the first few hours just getting used to the setup and meeting some of the people who help the rest of the world enjoy the NASA experience. Now that the television networks no longer spend much time covering these events, one has to resort to more restricted coverage to keep current. (continued next page)

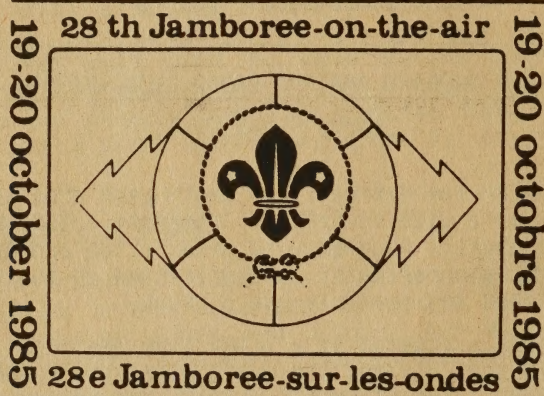
(continued from previous page)

GARC serves a public relations function for NASA by hosting youth groups, Boy Scout Troops and many other organizations. They provide handouts which give those unfamiliar with amateur radio the opportunity to gain a basic understanding of our hobby. They are also active in ARES and RACES emergency preparedness functions.

GARC is an employee activity within NASA and based on that relationship, receives a part of the U.S. budget. Let me clarify that by saying it is an extremely small part, which is stretched as far as any organization can reasonably expect. They have taken surplus equipment and the few dollars to put together a first class operation. Volunteer support is the glue that holds WA3NAN together.

I am looking forward to going back to WA3NAN in late October to help GARC in their very dedicated effort to provide the rest of the world with realtime coverage of NASA Space Shuttle activity. Local coverage from launch to touchdown is on 147.45 simplex (500 watts) HF coverage is 3.860, 7160, 14.295, and 21.360 (All 700 watts)

If anyone is interested in being part of this fine effort, please contact me and I will gladly put you in touch in Frank, at WA3NAN. (703) 430-1165. Barry KW4I
(Reprinted from The Sparc Gap (Sterling Park ARC), WA4NTP Editor)



INVITE SCOUTS TO YOUR SHACK
Reprinted from THE SPARC GAP, WA4NTP editor

Now is the time to start planning for inviting Cub and Boy Scouts to your shack for the annual Scouts Jamboree-On-The-Air (JOTA) October 19-20. The 28th JOTA is a worldwide ham radio event designed to share the brotherhood and fellowship of Scouting. At the same time, it's a splendid opportunity to expose young people to the thrill of our hobby.

This is not a contest. The objective is to ragchew between Scouts, or at least to get them to introduce themselves. They will, though, be thrilled to receive QSL cards, and Scout headquarters will provide commemorative "QSL'S" like the one shown below for each boy or girl participating at a ham station. Check various amateur publications for specific frequencies.

You don't have to host a mob in your shack. You may invite just one Club den or one Scout patrol. Or, you may schedule Dens or patrols to arrive at different times of the two days. If you don't know of a Scout unit near your QTH, contact Art, WA4NTP 437-9382 or Barry, KW4I at 430-1165 to help you get in touch with leaders in your area.



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6 Chaverim	7 PVRC	8 Frederick	9 FAR Laurel	10 Mt. Vernon No. Va Pentagon	11 Alex. Vienna So. Md	12
13	14 Old Va Hams	15 Arlington Free State Woodbridge	16 Goddard Montgom- ery	17 AnnArunde BRATS	18 Shenandoah Rock Creek	19
20	21 PVRC	22	23	24	25 Vienna	26
27 7th Day Aventist	28	29	30	31	November 1 Shenandoah	2

INCLUDE YOUR CLUB AND ITS ACTIVITIES ON THE AUTO CALL CALENDAR. NOTIFY AUTO-CALL ON MEETING DATES, SPECIAL EVENTS, HAMFESTS. LOOK FOR AN EXPANDED CALENDAR NEXT MONTH.

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